Work Ord <i>May-01-13 7:0</i>	er ID 100962 7.53 AM		*100	1962*							Page 1	
Item ID: Revision ID: Item Name:	D3012-1 Decal	, , , , , , , , , , , , , , , , , , ,	Accept	*N900	<u>040</u>	100) * s	Setup	Start Stop	*N:	S1* S2*	
Start Date: Required Date:	5/28/13 Start Qty: : 5/28/13 Req'd Qty	•		Cust Item l Customer:	ID:				-	14.		
Reference:			· · · · ·			_	F	Run	Start	*N11	D1*	
Approvals:	Process Plan:MLJ QC:	Date: \(\bar{1} \sum 0 \)	SPC (Y/N):		ate:				Stop	*N	R2*	
Sequence ID/ Work Center II	Operation D Description	1	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
Draw Nbr	Revision Nbr											
D3012	Rev A											
*100 *100* Purchasing Purchasing	Is M M	G Sue P/O: /9 FO/ Jake per Dwg D3012 Janufacture from 3M 7mil mass Jaterial release note required	0.00 0.00 sking film p/n 8522CP					-	A	13-	-05-6	
*110 *110* Packaging	M	pect for Damage & Mat'l Certs	0:00					6] [3]	6-/1		ノアノ
Packaging 120 *120 CC	QC6- Inspect	nsure Material Release Note is dimensions to drawing	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10			15			· .		

Quality Control

NCR:	Yes	/	No
	1 00	,	

NCR: Ye	es /	No					WORK ORDER NON-C	ON	IFORN	AANCE / UPE	DATE	QA Closed:	Date:	s
Vork Ordei	 			7-1, 9			DISPOSITION				AGAINST D	EPARTMENT/	· · · · · · · · · · · · · · · · · · ·	
Part No. Rework Use-as-is					! Therm	Skid-tube Machining noforming	Crosstube Small Fab Finishing		Water Jet J. Eng. Coor. e/Packaging	Engineering Quality Other				
NCR N	o						Work Order Update			Large Fab	Composite		Supplier	
Root					Desc	crip	tion of work order update	1	nitial	Act	ion	Sign &		
Cause	D	ate	Step	Qty		0	r Non-conformance	Ch	ief Eng	Descr	iption	Date	Verification	QC Inspector
oc/Data quip/Tooling														
perator laterial			:											
etup ther	-													
rocess												}		
upplier raining														
napproved		1			i		F	Δ111	T CATE	GORY				
Landin	g Gear			·			General		·····	30111				
Γ		ding			ſ		Bend		Grain		Γ	Ovalized		Pressure/Forced
F		-	t Concer	ntric to	o/s		BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cra	cks					Broken/Damaged		Inspect	on Incomplete		Part Incorred	ct 🗌	Weld
-	Cru	shed/C	Crimped.		Ī		Burrs		Instruct	ions Incomplete/U	Jnclear	Part Lost/Mi	ssing	Wrong Stock Pulled
F	Cuf		•				Contamination		Mainte	nance		Part Moved		
	—	t Treat	t		Ī		Countersink		Mislabe	led	Ţ.	Positioned V	Vrong	
<u> </u>			Strip in	Tube	Ì	Cut Too Short			Misread	i		Power Loss/	Surge	Other
<u> </u>		oles in			ļ		Drill Holes		Offset		_		<u>. </u>	
<u> </u>	⊣ `			xtrusio	n I		Drawing		Out of (Calibration				
ŀ	Torque Waves in Extrusion Drawing Turning Sequence Finish			Out of S	Sequence									
<u> </u>	Wave/Twist in Tube Folio				4	Dimensions								

DQA: ____ Date: ____

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 100962 May-01-13 7:07:53 AM				*100	1962*						Page 2
Item ID: Revision ID: Item Name: Start Date: Required Date	D3012-1 Decal 5/28/13 :: 5/28/13	Start Qty: 15.00 Req'd Qty: 15.00	*15* *15*	Accept	*N900 Cust Item I Customer:	•	100)* s	Setup Star Stop	1.7	S1* S2*
Reference: Approvals:		ın:	Date:	Tooling: _ SPC (Y/N):		nte:		Ą	Run Star Stoj	1/1	R1* R2*
Sequence ID/ Work Center I 130 *130* Packaging Packaging	ID	Operation Description Identify as per dwg & Sto	ck Location: 0 23	Set Up/ Run Hours 0.00	Tool ID	Tool #	Pian Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140 *140* QC Quality Control		QC21- Final Inspection - Memo	Work Order Release	0.00					13/	MLS	13-05-1

NCR: Y	es / No				WORK ORDER NON-C	CON	IFORN	MANCE / UP	DATE	QA Closed:	Date:	ç
Work Orde	ar:				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part N		 ,			Rework Scrap]	Skid-tube Crosstube Machining Small Fab			Pro	Water Jet d. Eng. Coor.	Engineering Quality
NCR No.				Use-as-is Work Order Update		Thermoforming Finishing		Finishing Composite		re/Packaging Supplier	Other	
Root				Descri	ption of work order update	lr	nitial	Act	tion	Sign &		
Cause	Date	Step	Qty	C	or Non-conformance	Chi	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator												
Material									un.			
Setup								·				
Other	<u>-</u>											
Process												
Supplier		ļ										
Training	_											
Unapproved		<u> </u>	<u> </u>			<u> </u>	T CATE	CORY		L		<u> </u>
			General F.	AUL	T CATE	GURY						
Landii	ng Gear				Bend		Grain			Ovalized	[-	Pressure/Forced
	Bending Centre No	at Cansa	ntric to C	\s	BOM/Route	\vdash	Hardwa	ro	-	Over/Under	tolerance	Temperature/Cure
		or concei	milic to C	" —	Broken/Damaged	\vdash		ion Incomplete	ļ	Part Incorre	⊢	Weld
	Cruchod/Crimpod		Burrs	ļ	•	ions Incomplete/	i Inclear	Part Lost/M	├	Wrong Stock Pulled		
	Crushed/Crimped.		Contamination	\vdash	Mainte	•		Part Moved	L	7		
	Heat Trea	at			Countersink		Mislabe			Positioned V	Vrong	
	Inspectio		Tube		Cut Too Short	Н	Misread			Power Loss/		Other
	Ripples in			<u> </u>	Drill Holes	-	Offset		L	.	~ <u>L</u>	
	Torque W		Extrusion		Drawing	\vdash		Calibration				
	Turning S				Finish	\vdash		Sequence				
L	rurning sequence				1							

Outside Dimensions

DQA: _____ Date: ___

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print

May-01-13 7:07:52 AM

Work Order ID:

D3012-1

Parent Item: I
Parent Item Name: I

Decal

100962

Start Date: 5/28/13

Required Date: 5/28/13

Page 1

Start Qty: 15.00

Required Qty: 15.00

Comments:

IPP A01.04.06New IssueEC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3012-1P		Purchased	No			110	Each	0.0000	1	15			
Decal													

43/0/10 10

NCR: Y	es	/ No				WORK ORDER NON-	COr	NFORE	MANCE / UP		QA Closed:	Date:	7
Work Orde	·r·					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part No			Rework Scrap Use-as-is Work Order Update		I Thern	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other			
Root					Descri	ption of work order update		Initial	Act	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data			f										
Equip/Tooling]							÷	
Operator													
Material		,											
Setup													
Other													
Process				,									
Supplier	_								į				
Training	_												
Unapproved					<u> </u>		<u> </u>						<u> </u>
				<u> </u>		· · · · · · · · · · · · · · · · · · ·	AUL	T CATE	GORY				
Landir		1				General	_	Grain		Γ-	Ovalized		Pressure/Forced
	_	Bending Centre No	-+ C		~ -	Bend BOM/Route	-	Hardwa	ro.	-	Over/Under	tolerance	Temperature/Cure
			ot Concei	ntric to	^{0/5} -	Broken/Damaged	\vdash	-	ion Incomplete	-	Part Incorre	 	Weld
	-	Cracks Crushed/0	Crimonad		-	Burrs	-	-i	ion incomplete/	Unclose	Part Lost/Mi		Wrong Stock Pulled
		Cuffs	crimpeu.		<u> </u>	Contamination	-	Mainte		Officieal	Part Moved	1331118	TWI ONE STOCK TUILCU
		Heat Trea	t		<u> </u>	Countersink	-	Mislabe		 	Positioned V	Vrong	
	-	Inspection		Tuhe	-	Cut Too Short		Misread		-	Power Loss/		Other
		Ripples in		TUDE	-	Drill Holes	-	Offset	•	<u>L</u> .	1. 011-01 0033/		1
	_	Torque W		xtrusio	, H	Drawing	\vdash	4	Calibration			, , , , , , , , , , , , , , , , , , , ,	
	_	Turning S				Finish			Sequence				

Outside Dimensions

DQA: Date:

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G





	DESIG	N P	DRAWN BY		AEROSPACE LTD ESBURY, ONTARIO, CANADA	
	CHECH	(ED	APPROVED	DRAWING NO.		REV. A
ı		<u> </u>	~-9/		SHEET	1 OF 1
	DATE			TITLE .		SCALE
	01.0	3.30		DECAL		1:1
	Α		01.03.30	NEW ISSUE		***************************************



- POINT A -SWL=300lb/136kg DO NOT USE WITH POINT B P/N D3012-1

D3012-1

- POINT B -SWL=500lb/227kg DO NOT USE WITH POINT A OR C P/N D3012-3

D3012-3

- POINT C -SWL=300lb/136kg DO NOT USE WITH POINT B P/N D3012-5

D3012-5

MATERIAL: WHITE LETTERS ON BLACK ADHESIVE BACK MANUFACTURED FROM 3M 7 MIL MASKING FILM #8522CP

Copyright © 2001 by DART AEROSPACE LTD

DUCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO19801

Purchase Order Date 5/6/2013 PO Print Date 5/6/2013

Page Number 1 of 1

Order From:

VC-STU001

STUDIO DE LETTRAGE 2001 210 MAIN WEST HAWKESBURY, ON K6A 2H6 CA

Contact Name

Vendor Phone

613 632 5449

Vendor Fax

613 632 9491

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable Un	Req Qty/ it of Measure	Ship Method	Unit Price	Extended Price
Vendor Part Number						
1 D3012-1P	Decal	5/10/2013	15.00	Yours ppd	\$5.0000	\$75.00
		Yes	Each			

Special Inst:

As per DWG: D3012 REV: A B100962

PO Total:

\$75.00

No substitution or deviation without consent. Certificate of Conformity or Material Certification required - YES

Studio de Lettrage 210 Main Street W Hawkesbury, Ontario K6A 2H6

INVOICE

Invoice No.:

20052

Date:

05/08/2013

Ship Date:

Page: Re: Order No.

WO9855

Sold to:

Dart Aerospace Ltd

1270 Aberdeen Hawkesbury, Ontario K6A 1K7

Ship to:

Dart Aerospace Ltd

Hawkesbury, Ontario

Business No.:

82500 7651 RT0001

Studio de Lettrage ST. #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75	Business No.:	82500 7651 RT					
Studio de Lettrage ST: #825007651 T0001 Shipped By: Tracking Number: Comment: Total Amount 84.75	⊁ « Item No. "	Unit "	Quantity	Description * :	Tax	" A Unit Price"	Amount . L
Studio de Lettrage IRST: #825007651FT0001 Shipped By: Tracking Number: Comment: 15tal Amount 84.75			15	STICKERS 3M D-3012-1P PO#19801	T		75.00
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75				H - HST 13% HST			9.75
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75	:						
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75		,					
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75							
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75							
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75		·					
Studio de Lettrage HST: #825007651FT0001 Shipped By: Tracking Number: Comment: Total Amount 84.75							
Shipped By: Tracking Number: Comment: Total Amount 84.75	* 1 <u></u> . A	nga saka atekga sadi T	ing terminal state of the stat	21 ×1 1 1 200 200 1			
Shipped By: Tracking Number: Comment: Total Amount 84.75							
Shipped By: Tracking Number: Comment: Total Amount 84.75							
Shipped By: Tracking Number: Comment: Total Amount 84.75					:		
Shipped By: Tracking Number: Comment: 84.75							
Shipped By: Tracking Number: Comment: 84.75	Studio de Lettrage H	IST: #825007651R	T0001			:	,
104.75	Shipped By:					eran er	
Sold By:	Comment:					Total Amount	84.75
	Sold By:						

****Certificate o	f Conformity****							
Customer:								
Shaio let	Rase							
Purchase Order #: Packing Slip #: WO 9855	Part #:\(\) Serial #:							
Description:	Quantity:							
D3012-18	15							
<u>Certification:</u>								
We hereby certify that:								
The above the listed items were manufactors accordance with applicable drawings and/or accordance.								
All work was accomplished in accordance with the Dart Aerospace Purchase Order:								
 Results of all inspections, chemical or physical shows the acceptability of raw matericomponents are on file and available for installing the shows the s	ials, parts and/or assembly							
Authority:								
3m								
, 9								
APPROVAL: LOVEN STE. MARIE	DATE:							
Signature Varen So Mai								
Title: Privat (moddinators	May 8 2013.							
The Control of the Co								

3M

Product & Instruction Bulletin 8522

Release I, Effective September 2008 See Bulletin Change Summary and end of Bulletin This Bulletin now includes Instruction Bulletin 4.23

Scotchcal[™] Changeable Opaque Imaging Media

8522

Product Description

Recommended Types of Graphics and End Uses

For Thermal Inkjet Printing

This durable, 7 mil, opaque, changeable film is optimized for use with selected thermal inkjet printers and inks. Ink dries quickly on the film. When overlaminated, it is warranted for medium term, outdoor weatherable graphics, and long term indoor graphics.

When constructed and used as described in this Bulletin, these types of graphics and end uses may be warranted by the $3M^{\,\text{\tiny M}}$ MCS $^{\,\text{\tiny M}}$ Warranty. Please read the entire Bulletin for details.

- First surface images (the image is on top of the film) for opaque posters and signs, including:
 - Graphics for vans, personal vehicles, trucks and buses
 - Novelty posters
 - Retail and point-of-purchase displays
 - Information graphics such as maps and directories
 - Entertainment promotions in museums, zoos, parks, theatres, sports venues
 - Education and presentation graphics
 - Legal and courtroom exhibits
- For flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications

Limitations of End Uses

3M specifically does not recommend or warrant the following uses, but please contact us to discuss your needs or recommend other products.

Unsuitable End Uses for This Product

- Not for electronically cut individual letters and numbers
- Fleet applications in areas that use salt for winter road maintenance
- · Application to non-warranted substrates, including wallboard
- Applications subjected to gasoline vapors or spills
- · Application to corrugated or highly irregular surfaces or sharply raised areas
- · Graphics applied to stainless steel, including stainless steel vehicles
- On flat surfaces with rivets, tenting of 4 to 10 mm around rivets may be expected; rivets may be cut around to eliminate tenting.
- Graphics made for automotive Original Equipment Manufacturers (OEM); contact 3M Automotive Division at 1-800-328-1684 for alternatives.

About Water-Based Inkjet Technology

Standard inkjet technology is water based. Water-based chemistry is susceptible to the extremes of heat and humidity. This is a factor in most product constructions on the market. Read the Fabrication, Shelf Life and Storage sections in this Bulletin. Staying in the middle of these ranges always provides optimum performance.

Compatible Products

3M Graphic Materials

For complete details about graphic construction options, recommended uses and durability, refer to the Product Bulletin for the base film or substrate (media) you are using. See **3M Related Literature** at the end of this Bulletin.

This Bulletin provides details about the base film and construction options and warranty. Additional specific information about compatible products can be found in the Product and Instruction Bulletins listed in **3M Related Literature** at the end of this bulletin.

3M Graphic Materials

For complete details about graphic construction options, recommended uses and durability, refer to the Product Bulletin for the base film or substrate (media) you are using. See **3M Related Literature** at the end of this Bulletin.

Film

3M [™] Scotchcal [™] Opaque Imaging Media 8522

Overlaminate

- 3M™ Scotchcal™ Luster Overlaminate 8519
- 3M™ Scotchcal™ Matte Overlaminate 8520

Printers and Inks

HP Designjet Printers	HP inks
 2500CP and 2000CP 2800CP and 3800CP 3500CP and 3000CP HP Designjet 5000 and 5500 	 Designjet CP Ink System UV (pigment-based) Designjet CP Inkjet System (imaging ink)
• Z6100	HP 91 Vivera Ink System

Epson Printers	Epson Inks		
Stylus Pro 9500	Archival Inks		
Stylus Pro 10000 printer			
 Stylus Pro 10600 printer 			

Characteristics

These are typical values for unprocessed product; processing may change the values. Contact your 3M representative for a custom specification.

Characteristic	Description				
Media	7 mil, white, opaque graphic film				
Liner	Low-slippage, lay flat paper				
Adhesive	Changeable, pressure sensitive				
Thickness	Media with adhesive: 7.5 to 8 mil (nominal)				
Warranted application substrates	See next page.				
Application surfaces	Flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications (no corrugations)				
Application temperature range	28° to 110°F (-2° to 43°C) (air and surface)				
Removable	For up to one year; see Warranty Information				

Characteristic	Description		
Warranted application substrates	Some substrates may "out-gas", resulting in tiny bubbles throughout the surface of the graphic. For maximum performance, be sure the substrate you select is properly cleaned and prepared as recommended by the manufacturer. See Instruction Bulletin 5.1 for additional information.		
	Alodine (anodized aluminum)		
	Automotive panels (automotive painted steel)		
	Fruehauf (painted aluminum)		
	FRP (fiberglass reinforced plywood)		
	• Glass		
	Imron® (polyurethane-painted metal panel)		
	Acrylic		
	Sintra ™ board		
	Note: Use on any other substrate is strictly on a graphics manufacturer and customer test and approve basis. Test for both adhesion and removal characteristics. The plasticizer in some banner materials may migrate. This may cause the edge of the graphic to peel or lift off of the banner. For optimum performance, follow the guidelines in the section, Creating A Laminated Overlap, on page 4.		

Warranty Information

The warranty given in the Product Bulletin that is current at the time you purchased the film is the one that 3M will honor. The warranties in the following table(s), given in years, are for finished graphics exposed in a vertical exposure in the United States except the Desert Southwest. See the warranty sections following this table for additional information.

3M[™] MCS[™] Warranty Durability for Finished Graphics

Construction (film and overlaminate on warranted substrate	HP Printers & Inks		Epson Printers & Inks		Removal
	Outdoor	Indoor	Outdoor	Indoor	
8522/8519	3 years	5 years	2 years	5 years	1 year without
8522/8520				-	chemical strippers or tools

Warranty and Limited Remedy

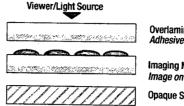
The following is made in lieu of all other express or implied warranties, including any implied warranty of **merchantability** or fitness for a particular purpose or implied warranty arising out of a course of dealing, custom or usage of trade: all 3M products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this Product Bulletin. 3M will replace or refund the price of any 3M materials that do not meet this warranty within the specified time periods. These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor or non-3M materials charges.

See the Graphics Market Center Warranty Brochure, which gives the terms, additional limitations of the warranty, if any, and limitations of liability.

Graphic Construction Options

Opaque Graphics

Opaque graphics made with imaging media 8522 require an overlaminate and an opaque substrate.



Overlaminate 8519, 8520 Adhesive on bottom

Imaging Media 8522 Image on top; adhesive on bottom

Opaque Substrate

Fabrication

Different combinations of shop temperature and humidity can affect the handling of the media, the protective finish and the printed graphic. For optimum performance, use the middle of each of these ranges whenever possible.

Shop Temperature

Acceptable: 60° to 95°F (15° to 35°C) Optimum: 65° to 73°F (18° to 23°C)

Shop Humidity

Acceptable: 20% to 80% Optimum: 45% to 60%

Condition the Media Before Use

These steps are especially important if you are operating outside the conditions recommended under Fabrication, above,

- Leave the media in its original packaging until you are ready to condition and use it.
- The day before you need it, remove the media from the box and remove the plastic.
- Condition the media for 24 hours in the same environment as the printer.

Printer Settings for Optimum Quality

Refer to your Hewlett Packard printer manual for detailed operating instructions.

The quality of a printed image depends on a combination of factors: correct media selection, printing software and raster imaging processor (RIP), shop conditions, etc.

The printers qualified to use this media have print mode options that are programmed specifically for these media. Current charts that show the various modes and printing dpi, and the quality results you can expect are available at www.hp.com under the website's support section. We recommend that you print the same image at all of these settings to determine acceptable print and productivity results.

The highest quality settings are usually desirable for backlit applications.

The correct media selection makes most other necessary adjustments to the printer.

- For the HP DesignJet CP 2000 or 3000 series printers, select the Opaque Vinyl UV setting.
- For the HP Designjet 5000 series printers, select the 3M Changeable UV setting or the HP Durable Gloss UV or HP Colorfast Vinyl setting.
- For the Z series printers, refer to HP's website or printer manuals.

Note: The HP printer settings lay down less ink per pass, which results in better ink absorption and quicker drying times.

- For the HP DesignJet CP 2000 or 3000 series printers, select the Opaque Vinyl UV
- For the HP Designjet 5000 series printers, select the 3M Changeable UV setting or the HP Durable Gloss UV or HP Colorfast Vinyl setting.
- For the Z series printers, refer to HP's website or printer manuals.

Note: The HP printer settings lay down less ink per pass, which results in better ink absorption and quicker drying times.

Drying Guidelines

Usually, the media can be laminated within 10 minutes after printing. However, especially in high humidity conditions, we recommend waiting 15 to 30 minutes before laminating.

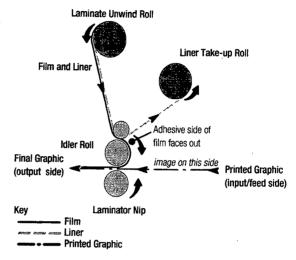
Use care when handling graphics that have not been laminated to avoid scratching and abrasion.

Graphics made with this media and ink combination typically may be wound directly on a take-up roll after printing.

Whether or not you want a warranted graphic, an overlaminate is recommended to enhance durability, especially in outdoor applications.

Overlaminate

FIGURE 1
Typical Laminator Thread-up



Creating a Laminated Overlap

Creating a laminated overlap helps ensure that the graphic does not peel or lift away from certain banner materials that may be subject to plasticizer migration. This method may also be used for flat, rigid or flexible sign applications.

- 1. Print the graphic as usual.
- 2. On all sides of the graphic, score the film only to the correct, final graphic dimension without cutting through the liner.

Weed away the excess film, leaving the bare liner exposed around the graphic. See FIGURE 2.

FIGURE 2
Trim and Weed Film Margin Only





Score Film Only Weed Margin

3. Laminate the graphic as usual (see page 5), making sure that at least one inch of the bare liner is covered by the laminate. See FIGURE 3.